

L18 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN

AN ***1973:97969*** CAPLUS

DN 78:97969

TI Riboflavine phosphates

IN Tanaka, Teruo; Tanaka, Hideo; Tsubaki, Noritaka

PA Toa Eiyo Chemical Industry Co., Ltd.

SO Jpn. Tokkyo Koho, 3 pp.

CODEN: JAXXAD

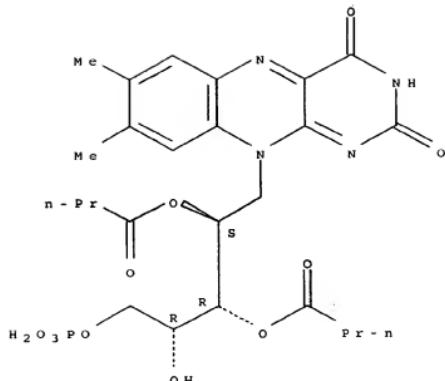
DT Patent

LA Japanese

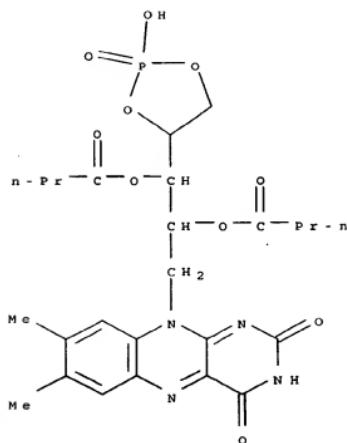
PAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 47045360	B4	19721115	JP 1969-14237	19690227
AB Riboflavine 5'-phosphate (I) was treated with butyric or isobutyric acid deriv. and the resulting 4',5'-cyclic phosphate hydrolyzed to give the 4' (or 5')-monophosphate, useful as H2O-sol. vitamin B2. E.g., 0.54 g pyridinium salt of I in pyridine was treated with 1.6 g butyric anhydride to give 0.65 g 2',3'-di-O-butyrylriboflavin 4',5'-cyclic phosphate; 0.61 g of which in EtOH was hydrolyzed with 85% HCO2Et to give 0.5 g 2',3'-di-O-butyrylriboflavin 4' (or 5')-monophosphate. Similarly prep'd. was 2',3'-di-O-isobutyrylriboflavin 4' (or 5')-monophosphate.					
ST	riboflavine phosphate butyryl isobutyryl				
IT	***22270-40-2p***	***28295-88-7p***		***40147-48-6p***	
	40147-49-7p	***40147-51-1p***		***40147-52-2p***	
RL	SPN (Synthetic preparation); PREP (Preparation)				
	(prepn. of)				
IT	***146-17-8***				
RL	RCT (Reactant); RACT (Reactant or reagent)				
	(reaction of, with butyric and isobutyric acids)				
IT	***22270-40-2p***	***28295-88-7p***		***40147-48-6p***	
	40147-49-7p	***40147-51-1p***		***40147-52-2p***	
RL	SPN (Synthetic preparation); PREP (Preparation)				
	(prepn. of)				
RN	22270-40-2	CAPLUS			
CN	Riboflavin 5'-(dihydrogen phosphate), 2',3'-dibutanoate (9CI)	(CA INDEX NAME)			

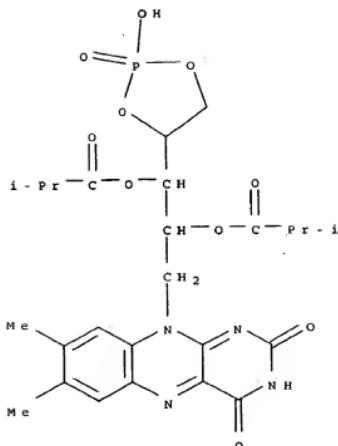
Absolute stereochemistry.



RN 28295-88-7 CAPLUS
 CN Riboflavin, cyclic 4',5'-(hydrogen phosphate) 2',3'-dibutanoate (9CI) (CA INDEX NAME)



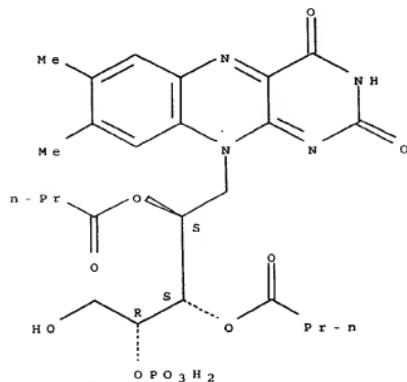
RN 40147-48-6 CAPLUS
 CN Riboflavin, cyclic 4',5'-(hydrogen phosphate) 2',3'-bis(2-methylpropanoate) (9CI) (CA INDEX NAME)



RN 40147-49-7 CAPLUS

CN Riboflavin 4'-(dihydrogen phosphate), 2',3'-dibutanoate (9CI) (CA INDEX NAME)

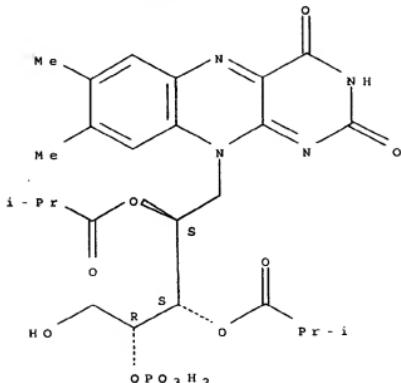
Absolute stereochemistry.



RN 40147-51-1 CAPLUS

CN Riboflavin 4'-(dihydrogen phosphate), 2',3'-bis(2-methylpropanoate) (9CI) (CA INDEX NAME)

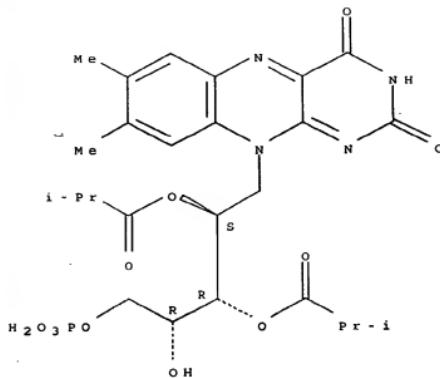
Absolute stereochemistry.



RN 40147-52-2 CAPLUS

CN Riboflavin 5'-(dihydrogen phosphate), 2',3'-bis(2-methylpropanoate) (9CI)
(CA INDEX NAME)

Absolute stereochemistry.



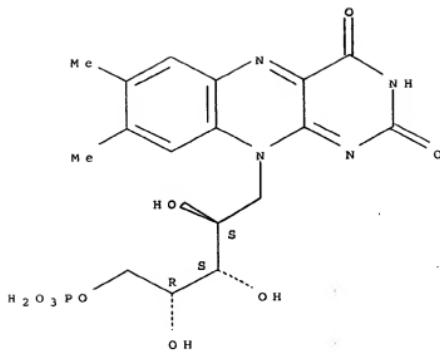
IT ***146-17-8***

RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with butyric and isobutyric acids)

RN 146-17-8 CAPLUS

CN Riboflavin 5'-(dihydrogen phosphate) (8CI, 9CI) (CA INDEX NAME)

Absolute stereochemistry.



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